

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-12. (Cancelled)

13. (Previously Presented) A method comprising:

setting a plurality of received signal strength indicator (RSSI) thresholds including a first RSSI threshold and a second RSSI threshold having a value lower than the first RSSI threshold;

computing a RSSI value for a management message by a plurality of access points
detecting the management message, the management message originating from a station;

placing an address of the station into a list identifying stations located in a potential coverage hole if none of the plurality of access points computes a RSSI value of the management message above the second RSSI threshold; and

removing the address of the station from the list if one of the plurality of access points computes the RSSI value of the management message above the first RSSI threshold.

14. (Cancelled).

15. (Original) The method of claim 13, wherein the first RSSI threshold is greater than or equal to 20 dbm0 and the second RSSI threshold is less than 20 dbm0.

16. (Original) The method of claim 13 further comprising initiating an event to mitigate a coverage hole at a location of the station if the station fails to complete association with any of the plurality of access points.

17. (Original) The method of claim 13 further comprising initiating an event to mitigate a coverage hole at a location of the station if the station continues to provide management messages with RSSI values below the second RSSI threshold.

18-25. (Cancelled).

26. (Currently Amended) A method comprising:
- setting a plurality of received signal strength indicator (RSSI) thresholds including a first RSSI threshold and a second RSSI threshold, the second RSSI threshold having a value lower than the first RSSI threshold;
- determining a RSSI value for a wireless message received by each of a plurality of access points, the wireless message originating from a station and including an address of the station;
- comparing each of the RSSI values determined by the plurality of access points to the first RSSI threshold and the second RSSI threshold, the comparing being conducted by logic within a wireless network switch;
- placing the ~~[[an]]~~ address of ~~[[a]]~~ the station into a list identifying stations located in a potential coverage hole if none of the RSSI values determined by the ~~[[a]]~~ plurality of access points ~~measuring a RSSI value for a wireless message originating from the station fail to measure the RSSI value above~~ exceeds the second RSSI threshold; and
- removing the address of the station from the list if at least one of the RSSI values measured by the plurality of access points ~~has measured the RSSI value of the wireless message above~~ exceeds the first RSSI threshold.
27. (Previously Presented) The method of claim 26, wherein the wireless message is a management message.
28. (Previously Presented) The method of claim 26, wherein the first RSSI threshold is greater than or equal to 20 dbm0 and the second RSSI threshold is less than 20 dmb0.
29. (Previously Presented) The method of claim 26 further comprising initiating an event to mitigate a coverage hole at a location of the station if the station fails to complete association with any of the plurality of access points.
30. (Previously Presented) The method of claim 26 further comprising initiating an event to mitigate a coverage hole at a location of the station if the station continues to provide wireless messages with RSSI values below the second RSSI threshold.

31. (New) The method of claim 26, wherein the list identifying stations located in the potential coverage hole is stored within the wireless network switch.

32. (New) The method of claim 26 further comprising failing to complete association of the station to any of the plurality of access points if each of the RSSI values are below the second RSSI threshold.

33. (New) The method of claim 32 further comprising initiating an event to mitigate the potential coverage hole at a location of the station if the station fails to complete association with any of the plurality of access points.

34. (New) In communications with a plurality of access points for receipt of received signal strength indicator (RSSI) values based on measured signal strength of a management message from a station that is received by the plurality of access points, a wireless network switch comprising:

a connector to receive information from the plurality of access points, the information including RSSI values and a station address associated with the RSSI values; and

a station management logic to (i) monitor the RSSI values from the plurality of access points by comparing each of the RSSI values to a first RSSI threshold and a second RSSI threshold being lesser in value than the first RSSI threshold, (ii) placing the address of the station into a stored list identifying stations located in a potential coverage hole if none of the RSSI values determined by the plurality of access points exceeds the second RSSI threshold, and (iii) if the address of the station is already in the stored list, removing the address of the station from the stored list if at least one of the RSSI values exceeds the first RSSI threshold.

35. (New) The wireless network switch of claim 34, wherein the wireless network switch to signal the plurality of access points to not complete association of the station to any of the plurality of access points if all of the RSSI values fall below the second RSSI threshold.

36. (New) The wireless network switch of claim 35, wherein the wireless network switch to initiate an event to mitigate the potential coverage hole at a location of the station if the station fails to complete association with any of the plurality of access points.

37. (New) The wireless network switch of claim 34, wherein the first RSSI threshold is greater than or equal to 20 dbm0 and the second RSSI threshold is less than 20 dbm0.